Abstract

The invention relates to a method for automatically recognizing connectable surfaces in a technical system. Said system comprises bodies that can be connected to one another in pairs by using a joining technique. A computer-accessible structure of the system, which encompasses at least one surface (F.1, F.6) that is part of a body for each body of the system and a joining technique, e.g. a specific gluing method, are predefined, the joining technique creating a layer between two respective bodies of the system. According to the invention, the surfaces or partial areas (F.1a, F.6a) of surfaces (F.1, F.6) of the system, which can be joined by means of the predefined joining technique, are automatically recognized. In order to do so, the intermediate spaces (ZW) between two surfaces of the structure, which can be filled with a layer created by means of the joining technique, are automatically recognized, pairs of connectable finite elements being determined. A decision criterion that can be evaluated with the aid of a computer and compares the positions and/or alignment of the two finite elements to predefined upper and/or lower thresholds is used for determining said pairs of connectable finite elements.